SONY VAIO

VGN-AR570 CTO Series

VAIO® AR Digital Studio™ Notebook PC

The Premiere Entertainment Notebook PC.

MULTIMEDIA POWERHOUSE WITH 17" DISPLAY

The VAIO® AR notebook combines the convenience and portability of a notebook with the power and performance of a desktop. Featuring a full-sized keyboard and stunning 17" widescreen display[1], this multimedia powerhouse is the perfect productivity and entertainment companion. With spectacular XBRITE-HiColor™ or XBRITE-ECO™ LCD technology, the massive widescreen improves color contrast in your images, video and television content, delivering the ultimate HD viewing experience[3].

STUNNING HD ENTERTAINMENT

Whether you're watching a movie in HD, enthralled in a high-def cable TV sporting event or enjoying crystal-clear video captured from your compatible HDV camcorder, the VAIO® AR notebook lets you playback HD content with incredibly high level of resolution - essentially eliminating flicker and creating a more film-like image. An HDMI™ output delivers video and audio to external sources from via a single cable, providing the optimal digital connection to your compatible HDTV so you can enjoy HD entertainment on your big screen without a myriad of extra cables and wires. And since the VAIO AR notebook features DVR capabilities and a TV tuner capable of receiving premium cable HDTV signals[3], your HD entertainment experience is complete from end-to-end without the need for any additional hardware.

The VAIO® AR570 CTO Series notebook is a Full 1080 HD multimedia powerhouse with DVR capabilities that let you watch and record TV on its 17" widescreen display[8] with XBRITE-HiColor™ or XBRITE-ECO™ LCD technology. Backed by Intel® Centrino® Duo processor technology and Intel Core™ 2 Duo processor, this lightning-fast, super-powerful notebook is the ultimate desktop replacement.

Windows Vista Home Premium

Windows Vista Business

intel Centrino Duo Core 2 Duo inside

dlna CERTIFIED

Click to DVD

XBRITE-HiColor™

Bluetooth

like.no.other™

VGN-AR570 CTO Series

VAIO® AR Digital Studio™ Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Desktop Replacement
Action Buttons: S1, S2, AV Mode, Volume, Mute, Eject, Play/Pause/Stop, Wireless LAN On/Off, FF and Rewind

Hardware

Pointing Device: Electro-Static touch pad
Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch
Camera: Built-in camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7700 (Configuration 1), Intel® Core™ 2 Duo Processor T7500 (Configuration 2), Intel® Core™ 2 Duo Processor T7300 (Configuration 3), or Intel® Core™ 2 Duo Processor T7100 (Configuration 4)
Speed: 2.4GHz[1] (Configuration 1), 2.2GHz[1] (Configuration 2), 2.0GHz[1] (Configuration 3), or 1.8GHz[1] (Configuration 4)
Front Side Bus Speed: 800MHz (Configurations 1-4)
L2 Cache: 4MB Advanced Smart Cache (Configurations 1-3), 2MB Advanced Smart Cache (Configurations 4)
Technology: Intel® Centrino® Duo processor technology

Memory

Type: DDR2 SDRAM
Installed: 4GB (2GBx2) PC2-5300, 2GB (1GBx2) PC2-5300, 1GB (1GBx1) PC2-5300, or 1GB (512MBx2) PC2-5300
Maximum: 4GB[17]
Speed: 667MHZ

Hard Drive

Capacity: 500GB[2] (250GBx2) (Configuration 1), 400GB[2] (200GBx2) (Configuration 2), 320GB[2] (160GBx2) (Configuration 3), 240GB[2] (120GBx2) (Configuration 4), 200GB[2] (100GBx2) (Configuration 5), 250GB[2] (Configuration 6), 200GB[2] (Configuration 7), 160GB[2] (Configuration 8), 120GB[2] (Configuration 9), or 100GB[2] (Configuration 10)
Speed: 4200rpm (Configurations 1-2, 6-7) 5400rpm (Configurations 3-5, 8-10)
Interface: Serial ATA
Technology: RAID Technology (depending on configuration)

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4]
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
BD-R Read: 2x max. (Blu-ray Disc™ only)
BD-R Write: 2x max.[15] (Blu-ray Disc™ only)
BD-RE Write: 2x max.[15] (Blu-ray Disc™ only)
BD-ROM Read: 2x max. (Blu-ray Disc™ only)
BD-RE Read: 2x max. (Blu-ray Disc™ only)
BD-R DL Read: 1.6x max. (Blu-ray Disc™ only)
BD-R DL Write: 1x max. (Blu-ray Disc™ only)
DVD-RAM Read: 5x max.
Blu-Ray Disc™ Support: Optional[15] (Can only be configured with select PC hardware options)
BD-RE DL Read: 1.6x max. (Blu-ray Disc™ only)
BD-RE DL Write: 1x max. (Blu-ray Disc™ only)

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick® and Memory Stick DUO™ media[5] with MagicGate® functionality and Secure Digital Media (SD)
One PCMCIA - Type II/Type I card slot with CardBus support
One ExpressCard™ /54 Slot

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WUXGA or WXGA+
Screen Size: 17"[8]
Resolution: 1920x1200 WUXGA (available with 8600M GT graphics) or 1440x900 WXGA+ (available with 8400M GT graphics)
XBRITE-HiColor™ Technology: Yes

Graphics

Processor: NVIDIA® GeForce® 8600M GT notebook graphics processing unit or NVIDIA® GeForce® 8400M GT Graphics Processing Unit
Video RAM: 383MB Total Available Graphics Memory[14] (GeForce 8400M GT GPU - only with 1GB memory option), 895MB Total Available Graphics Memory[14] (GeForce 8400M GT GPU - only with 2GB and above memory option), 511MB Total Available Graphics Memory[14] (GeForce 8600M GT GPU - only with 1GB memory option) or, 1023MB Total Available Graphics Memory[14] (GeForce 8600M GT GPU - only with 2GB and above memory option)
Interface: VGA out w/ Smart Display Sensor, HDMI out and S-Video out
TV Tuner: Yes, ATI TV Wonder™ Digital Cable Tuner (NTSC and ATSC Support)(Only available with Windows Vista™ Home Premium or Windows Vista™ Ultimate option) or no TV tuner.

Inputs and Outputs

Ethernet Port: 1
HDMI™ Connection Output(s): 1
Headphone Jack: 1
i.LINK® Interface: 1 (4pin) i.LINK® connector (IEEE 1394)[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
Port Replicator Connector(s): 1
S-Video Output(s): 1
USB Port(s): 3 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
S/PDIF Output(s): 1
Express Card™ Slot: /54 x 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem with (RJ-11)
Wireless LAN: Intel® PRO/Wireless 4945AGN Network Connection (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Bluetooth® Technology[10] or no integrated Bluetooth® Technology

Power

Battery Type: Standard Capacity Battery (VGP-BPS9A/B), or Large Capacity Battery (VGP-BPL9)
Estimated Battery Life: 1.5 to 3.0 hours[7] with standard battery
Power Requirements: 150W+10%

Software

Operating System: Windows Vista™ Home Premium, Windows Vista™ Business, or Windows Vista™ Ultimate
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5, 60-Day Trial Version of Microsoft® Office 2007[13]
Sony® Original Software: Click to DVD® - DVD Creation,LocationFree® Player *Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day trial with spyware protection

Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[11]
Limited Warranty and Onsite Service: 1 Year Limited Warranty with Onsite Service[9]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 8.4 lbs. (weight is approximate and may vary)
Measurements: 16.4"(W) x 1.32"(H) x 11.8"(D)

Supplied Accessories

Standard Lithium-ion Battery (VGP-BPS2C) or Large Capacity Lithium-ion Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V15)
Power Cord
Remote and IR Receiver (only with TV Tuner equipped models)
RF Cable (only with TV Tuner equipped models)
Optional ATI TV Wonder™ Digital Cable Tuner
HDMI Cable
HDMI to DVI-D Adapter
Assorted Blu-ray Disc™ Titles and Discs (Available only with new units and while supplies last.)

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS2C)
Additional AC Adapter (VGP-AC19V15)
Large Capacity Battery (VGP-BPL2C)
USB Floppy Drive (VGP-UFD1)
Universal Carrying Case (VGP-AMB1)
Neoprene Notebook and AC Adapter Case (VGP-AMC2)
17" Neoprene Notebook and AC Adapter Case (VGP-AMC2)
Notebook Roller Case (VGP-AMB6)
Wireless Presentation Mouse (VGP-WMS50A)

Color: Glossy Piano Black

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Supports Memory Stick PRO™ high-capacity media tested up to 1GB. Does not support MagicGate® functionality.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. Viewable area measured diagonally.
9. When available, Sony will provide Onsite Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
10. Use of this Bluetooth enabled product with other devices may vary as not all Bluetooth devices are compatible.
11. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
12. Broadband connection is required along with third party services which may require a subscription fee and other service fees.
13. The Microsoft® Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
14. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.
15. As with other optical media devices, circumstances may limit compatibility or prevent Blu-ray Disc™ media playback. VAIO computers may not support movie playback on packaged media recorded in AVC or VC1 formats at high bit rates.
16. Video recording to Blu-ray Disc™ media is done in MP2 format only.
17. A portion of the system memory over 3GB available to the operating system.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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